

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Motion to award Bid No. 13164 for Stormwater Dig & Repair – 2013 to Road Construction NW, as the lowest responsible and responsive bidder, in the amount of \$197,998.00 (CIP Plan Nos. D-59 and D-64).

FISCAL IMPACT

Awarding this bid commits the City to payment of \$197,998.00 for stormwater system improvements within the Bellevue service area. This contract is fully funded through the Utility's CIP Program as follows:

Minor (Small) Storm & Surface Water Capital Improvement Projects	CIP Plan No. D-59	\$106,929.00
Storm Water System Conveyance Infrastructure Rehabilitation	CIP Plan No. D-64	91,069.00
	Total Bid Price	\$197,998.00

Although the bid for this project exceeds the Engineer's Estimate by 6.8%, funds are available to complete this project. Sufficient funds have been budgeted in the 2013-2019 Utilities CIP Budget.

STAFF CONTACT

Nav Ota, Director, 452-2041

Paul Bucich, Acting Assistant Director, 452-4596

Utilities Department

POLICY CONSIDERATION

Utilities Department policies:

- The Utility shall identify drainage capital projects that prevent or reduce flooding or property damage, protect or improve water quality, and maintain or improve the reliability and integrity of the drainage system.

Utilities Department practice:

- Rehabilitate or replace deteriorated elements of the storm drainage system to ensure that utility customers are provided with consistent and reliable service. CIP Plan Nos. D-59 and D-64 has been designated to do this.

City Contracting policies:

- BCC 4.28 provides for the fair and equitable treatment in the purchasing process. Because the amount of the contract exceeds \$35,000, Council approval is required.

BACKGROUND

The work for this project involves installing new storm water system components to reduce flooding and erosion conditions at two different locations within the City. As the City's storm drainage infrastructure ages, pipelines, catch basins and other system components have deteriorated to the point that some components are at risk of failing whereas other components become insufficient to handle increased run-off. Repair or replacement of these critical facilities is needed to prevent failures that could result in increased flooding, erosion, and liability claims; reduce water quality complaints; and reduce maintenance costs. Locations for system repairs or rehabilitation are identified by the City's condition assessment program. On average, approximately 10 sites per year are found through video inspection of pipelines, or through observations made by staff working in the field.

One of the two locations included in this contract is along SE 66th Street close to 131st Avenue SE where the City will be installing a portion of new storm system to resolve the frequent flooding problem. This frequent problem is due to an undersized pipe with heavy roots in an easement on private property. This undersized pipe is very close to the house and foundation, which makes it difficult to excavate to upsize this pipe. As a result, the City is installing additional storm pipes to divert a portion of the stormwater. This project will be done under CIP D-64. The roots in the existing pipe have already been removed to reduce flooding, and this pipe will be permanently repaired by trenchless method through a future project.

The other location included in this construction contract is along 179th Place NE and 179th Court close to NE 10th Street. At this location the City will be installing a new pipe and upsizing a few other storm pipes to re-route storm water from a basin which used to be discharged at the top of a steep slope causing erosion of the slope. In order to avoid erosion and protect the steep slope, the City is diverting storm run-off from this location. This project will be done under CIP D-59.

Bids were opened on October 15, 2013 and are as follows:

Road Construction NW	\$197,998.00
Kamins Construction	206,713.91
Earthwork Enterprises, Inc.	207,029.00
Sanders General Construction	219,715.00
Laser Underground	234,024.00
Trinity Contractors	245,910.00
Westwater Construction	267,715.00
A-1 Landscaping	446,096.00

Engineer's Estimate

\$185,500

The bid price by the low bidder, Road Construction NW, exceeds the Engineer's Estimate by approximately 6.8%. Staff have reviewed the bid and believe that the price received from the low bidder is valid and represents a fair cost to perform the work. Several bids were received, and staff believe bids were competitive. The low bid price is reasonably close to the Engineer's

Estimate, and it is unlikely that re-bidding the project will provide better results than those obtained with this bid.

To the best of staff's knowledge, all factors that normally contribute to construction expense have been accounted for in the plans and Engineer's Estimate. It is staff's experience that construction projects of this type usually result in some amount of field changes. Such claims are rigorously reviewed and only those that are clearly necessary to accomplish the intent of the contract, but have somehow not been provided for, will be paid.

EFFECTIVE DATE

If adopted, the award of this bid will become effective immediately.

OPTIONS

1. Award Bid No. 13164 for Stormwater Dig & Repair – 2013 to Road Construction NW, as the lowest responsible and responsive bidder, in the amount of \$197,998.00 (CIP Plan Nos. D-59 and D-64).
2. Award contract to another bidder, if low bidder is rejected.
3. Reject all bids and re-bid at a later date.

RECOMMENDATION

Adopt Option No. 1, award Bid No. 13164 for Stormwater Dig & Repair – 2013 to Road Construction NW, as the lowest responsible and responsive bidder, in the amount of \$197,998.00 (CIP Plan Nos. D-59 and D-64).

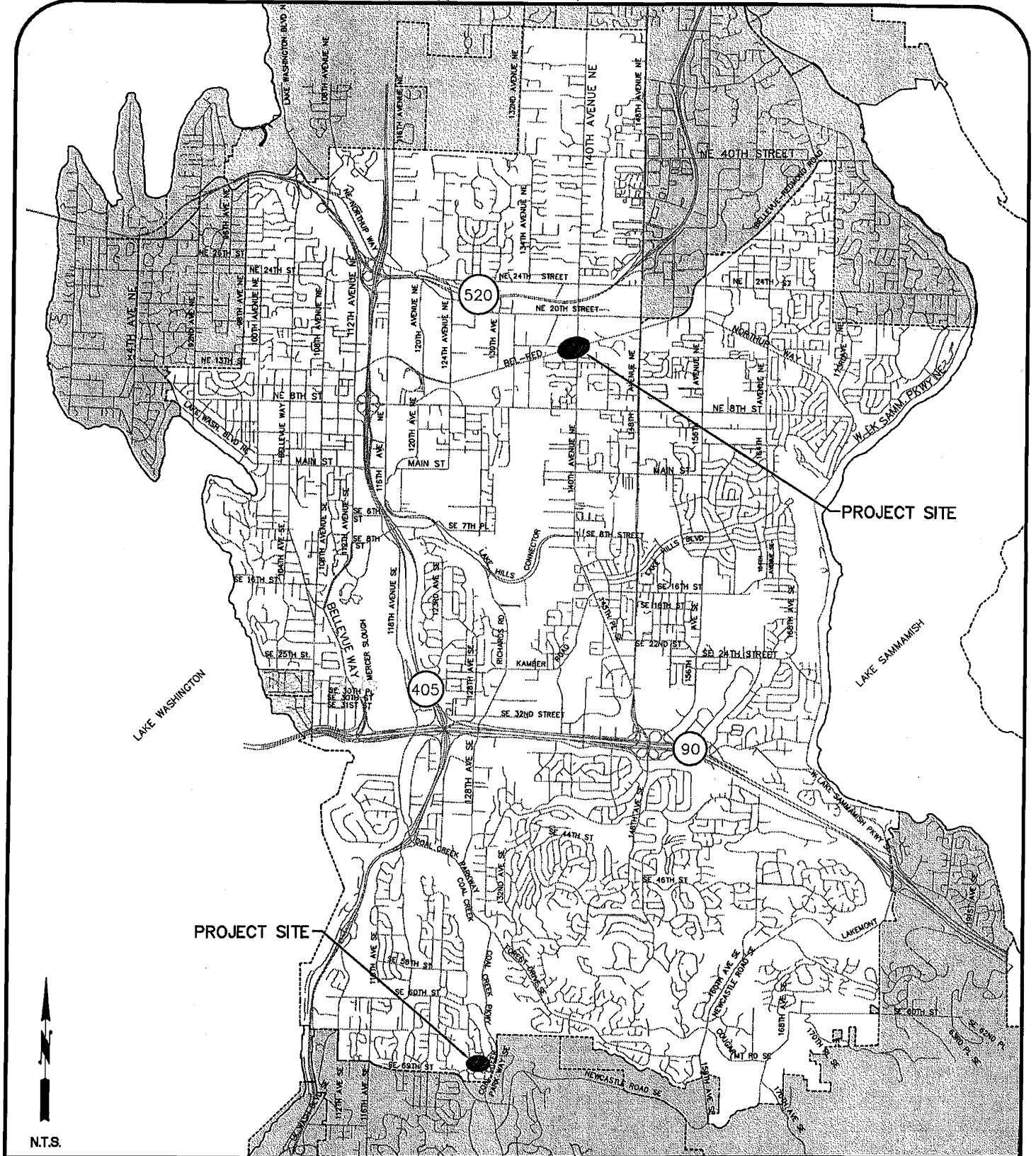
References have been checked and the contractor has the resources and experience necessary to successfully complete this project.

MOTION

Move to award Bid No. 13164 for Stormwater Dig & Repair – 2013 to Road Construction NW, as the lowest responsible and responsive bidder in the amount of \$197,998.00 (CIP Plan Nos. D-59 and D-64).

ATTACHMENTS

Vicinity Map
CIP Project Description



N.T.S.



PROJECT SITE



CITY OF BELLEVUE CITY LIMITS

VICINITY MAP **STORMWATER DIG AND REPAIR 2013** **SE 66TH AT 131ST AVE SE AND** **179TH AT NE 10TH ST** **C.I.P. D-64/D-59**



FY2013-2019 Capital Investment Program

D-59 Minor (Small) Storm & Surface Water Capital Imp Projects

Category: **Storm Drainage**
 Department: **Utilities**

Status: **Ongoing**
 Location: **Various locations throughout the City**

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
2,887,833	1,700,202	151,331	158,144	166,309	170,790	175,565	180,312	185,180

Description and Scope

This ongoing program is for minor (small) improvements to Bellevue's surface water system to resolve deficiencies, improve efficiencies, or resolve maintenance problems, often in conjunction with other Bellevue programs such as the Transportation overlay program. Examples of projects include pipeline outfall improvements at Meydenbauer Bay; small stormwater pipe extensions to resolve drainage problems; and modifications of catch basins in concert with street projects. Projects are prioritized based on criteria including public safety/property damage, maintenance frequency, flooding history, operator safety, environmental risk, coordination with other city or development activity, and level of service impact.

PROJECT NEED: System Renewal and Replacement

Rationale

These improvements correct unanticipated small deficiencies or maintenance problems in the storm utility system. Projects reduce maintenance costs and potentially alleviate flooding, erosion, and water quality problems throughout the city. The program allows the City to efficiently maintain and upgrade its storm system by coordinating minor improvements with other City projects and maintenance activities. These projects are too small to justify their own CIP projects, don't fit within the scope of other storm CIP programs, and sometimes can't be anticipated. The budget is based on average historical need.

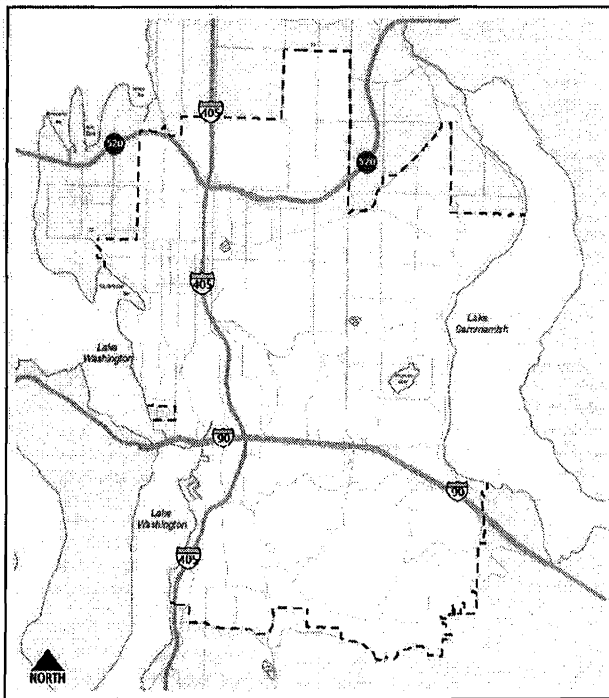
Environmental Impacts

The environmental impacts will be determined for specific projects when they are identified.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	1995 - 2019	2,887,833

Total Budgetary Cost Estimate: 2,887,833

Means of Financing

Funding Source	Amount
Miscellaneous Revenue	1,000
Utility Rates/Fees	2,886,833

Total Programmed Funding: 2,887,833

Future Funding Requirements: 0

Comments

This project will be located throughout the City.

FY2013-2019 Capital Investment Program

D-64 Storm Water System Conveyance Infrastructure Rehabilitation

Category: Storm Drainage
Department: Utilities

Status: Ongoing
Location: Various locations throughout the City

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
16,160,063	9,426,957	884,338	909,936	935,334	960,533	987,389	1,014,099	1,041,477

Description and Scope

This ongoing program rehabilitates or replaces defective storm drainage pipelines and ditches identified in the Utility's condition assessment program or other means. Projects are prioritized based on the severity of deterioration, the risk and consequence of failure, and coordination with planned street improvement projects. As the system ages, costs are expected to increase. The Utilities' Asset Management Program is evaluating when system replacement will require significant increases to the budget.

PROJECT NEED: System Renewal and Replacement

Rationale

Much of the storm pipe network was built before pipe material and construction standards were in place, so there is only limited information about when pipes were installed, their size and composition. Bellevue owns almost 400 miles of stormwater conveyance pipe, with limited information available to predict how long it will last. Of particular concern is corrugated metal pipe, which can completely corrode away in as little as 20 years, or if properly maintained last longer than 50 years. Pipe collapse or blockage can result in washed-out roads, flooded homes, environmental damage, and traffic disruption. This program provides for repair or replacement of defective stormwater conveyance pipes, culverts and ditches, to prevent such consequences. It proactively repairs pipes under arterials in advance of street resurfacing, saving costs and minimizing disruption. It also focuses on critical pipes where the consequences of failure would be significant.

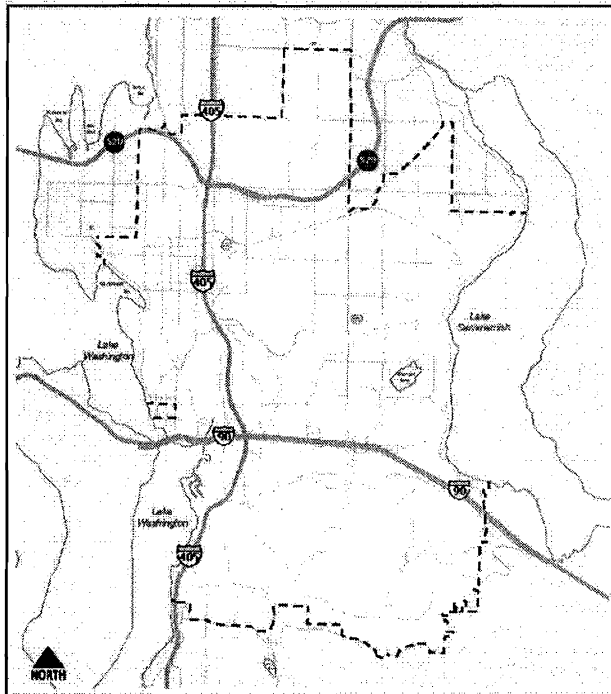
Environmental Impacts

The environmental impacts will be determined for each specific project.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures, since it replaces or repairs existing facilities.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	1995 - 2019	16,160,063

Total Budgetary Cost Estimate: 16,160,063

Means of Financing

Funding Source	Amount
Judgements/Settlements	33,000
Miscellaneous Revenue	680,000
Utility Rates/Fees	15,447,063

Total Programmed Funding: 16,160,063

Future Funding Requirements: 0

Comments

This project will be located throughout the city.